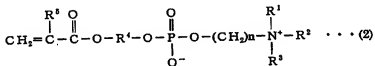


AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): A vessel for embryoid formation for use in floating-culture of embryonic stem cells to form embryoid bodies, comprising a coating layer formed from a copolymer of monomer (M) represented by the formula (2) and glycidyl (meth)acrylate, and chemically bonded to a vessel surface defining a region for floating-culture of embryonic stem cells:



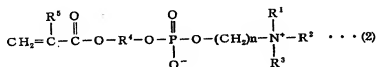
wherein R¹, R², and R³ each stands for a methyl group, R⁴ stands for an ethyl group, R⁵ stands for a hydrogen atom or a methyl group; and n is an integer of 2.

2. (canceled).

3. (original): The vessel for embryoid formation of claim 1, wherein a ratio (P/C) of the amount of phosphorus element P to the amount of carbon element C as measured by X-ray photoelectron spectroscopy on the vessel surface having said coating layer formed thereon is 0.002 to 0.3.

4-11. (canceled).

12. (currently amended): A vessel for embryoid formation for use in floating-culture of embryonic stem cells to form embryoid bodies, comprising a coating layer formed from a copolymer of monomer (M) represented by the formula (2), glycidyl (meth)acrylate, and another monomer selected from the group consisting of methyl(meth)acrylate, ethyl(meth)acrylate, ~~butyl(meth)acrylate~~butyl(meth)acrylate, 2-ethylhexyl(meth)acrylate, lauryl(meth)acrylate, stearyl(meth)acrylate, cyclohexyl(meth)acrylate, benzyl(meth)acrylate, phenoxyethyl(meth)acrylate, polypropylene glycol(meth)acrylate, styrene, methylstyrene, chloromethylstyrene, methyl vinyl ether, butyl vinyl ether, vinyl acetate, vinyl propionate, 2-hydroxyethyl(meth)acrylate, 2-hydroxybutyl (meth)acrylate, 4-hydroxybutyl(meth)acrylate, acrylic acid, methacrylic acid, styrenesulfonic acid, (meth) acryloyloxyphosphonic acid, 2-hydroxy-3-(meth)acryloyloxypropyl trimethyl ammonium chloride, (meth)acrylamide, aminoethylmethacrylate, dimethylaminoethyl(meth)acrylate, polyethylene glycol (meth)acrylate, and mixtures thereof, and chemically bonded to a vessel surface defining a region for floating-culture of embryonic stem cells:



wherein R¹, R², and R³ each stands for a methyl group, R⁴ stands for an ethyl group, R⁵ stands for a hydrogen atom or a methyl group; and n is an integer of 2.

13. (previously presented): The vessel for embryoid formation of claim 12, wherein a ratio (P/C) of the amount of phosphorus element P to the amount of carbon element C as measured by X-ray photoelectron spectroscopy on the vessel surface having said coating layer formed thereon is 0.002 to 0.3.

14. (cancelled).